

N.J.A.C. 7:5C

Name of rule: **ENDANGERED PLANT SPECIES PROGRAM RULES**

Statutory authority: **N.J.S.A. 13:1B-15.151 et seq.**

Date last amended: **September 3, 2013**

For regulatory history and effective dates see the New Jersey Administrative Code

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N.J.A.C. 7:5C-1.1 Purpose and scope

This chapter constitutes the rules of the Department of Environmental Protection concerning the development and adoption of a State endangered plant species list, as authorized by P.L. 1989, c.56 (N.J.S.A. 13:1B-15.151 through 13:1B-15.158), and contains the official Endangered Plant Species List. The purpose of this chapter is to provide detailed procedures, standards, and criteria for developing and adopting a list of endangered plant species native to the State, in order to eliminate the confusion resulting from various existing inconsistent unofficial lists and to efficiently incorporate the preservation of the State's natural diversity into government planning operations.

N.J.A.C. 7:5C-1.2 Construction

This chapter shall be liberally construed to permit the Department to effectuate the purposes of P.L. 1989, c.56 (N.J.S.A. 13:1B-15.151 through 13:1B-15.158).

N.J.A.C. 7:5C-1.3 Severability

If any subchapter, section, subsection, provision, clause or portion of the chapter, or the application thereof to any person, is adjudged unconstitutional or invalid by a court of competent jurisdiction, such judgment shall be confined in its operation to the subchapter, section, subsection, provision, clause, portion, or application directly involved in the controversy in which such judgment shall have been rendered and it shall not affect or impair the remainder of this chapter or the application thereof to other persons.

N.J.A.C. 7:5C-1.4 Definitions

The following words and phrases, when used in this chapter, shall have the following meanings unless the context clearly indicates otherwise.

"APA" means the Administrative Procedure Act, N.J.S.A. 52:14B-1 et seq.

"Commissioner" means the Commissioner of the Department of Environmental Protection, or his or her designee.

"Department" means the Department of Environmental Protection.

"Division" means the Division of Parks and Forestry in the Department of Environmental Protection.

"Endangered Plant Species List" means the official State list of native endangered plant species promulgated by the Department pursuant to P.L. 1989, c.56 (N.J.S.A. 13:1B-15.151 through 13:1B-15.158) and the rules in this chapter.

"Endangered species" means any native plant species whose survival in the State or the nation is in jeopardy, including, but not limited to: plant species designated as listed, proposed, or under review by the Federal government as endangered or threatened throughout its range in the United States pursuant to the "Endangered Species Act of 1973," P.L. 93-205 (16 U.S.C. section 1533 et seq.), as amended; any additional species known or believed to be rare throughout its worldwide range; and any species having five or fewer extant populations within the State.

"Extant populations" means those populations documented in the Natural Heritage Database to exist at a particular location.

"Native" means growing or living naturally in New Jersey without having been brought to or planted in New Jersey by any person.

"Natural Heritage Database" means the manual and computerized file maintained within the Division of Parks and Forestry which includes continually updated information on the location and status of native plant species of the State, as authorized by N.J.S.A. 13:1B-15.146 through 13:1B-15.150.

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"Plant" means any member of the Plant Kingdom, including all roots, stems, leaves, flowers, fruits, seeds, spores, gametophytes, and other parts thereof.

"Plant Kingdom" means those organisms contained in the phylum Bryophyta and phylum Tracheophyta.

"Population" means a group of individuals of the same species which occupy a specific geographic location.

"Rare" means extremely uncommon making it vulnerable to extinction throughout its range.

"Species" means any species, subspecies, or variety of plant.

"Under review by the Federal government as endangered or threatened" means plant species listed as candidate species in the most recent Notice of Review published in the Federal Register by the United States Fish and Wildlife Service.

N.J.A.C. 7:5C-2.1 Development and adoption of Endangered Plant Species List

- (a) The Commissioner will direct research and investigations related to historical records, populations, distributions, critical habitat needs, limiting factors, and other biological and ecological data that will aid in determining the eligibility of native plant species for inclusion on the Endangered Plant Species List. The Department will incorporate the results of research and investigations conducted under this section into the Division's Natural Heritage Database.
- (b) On the basis of research and investigations described at (a) above and information contained in the Natural Heritage Database, the Department will propose and adopt, pursuant to the APA, designation to the Endangered Plant Species List of those native plant species meeting the criteria at N.J.A.C. 7:5C-2.2, giving the common and scientific name for each listed species.
- (c) The Department will, on the basis of new or updated information in the Natural Heritage Database, review the Endangered Plant Species List at least annually to determine if additions or deletions to the list are needed based on the criteria at N.J.A.C. 7:5C-2.2. If the Department determines on the basis of its review that a listed plant species is no longer endangered, or that a plant species qualifies for listing as endangered, the Department may propose and adopt, pursuant to the APA, revision of the Endangered Plant Species List. The Department will not propose the removal from the Endangered Plant Species List of any native plant species designated as listed, proposed, or under review by the Federal government as endangered or threatened.

N.J.A.C. 7:5C-2.2 Criteria for designating plant species as endangered

- (a) The Department will designate a plant species as endangered if it is a native plant species and it satisfies one or more of the following criteria:

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1. The Department makes a determination that its survival in the State or nation is in jeopardy based on the best available scientific information, including, but not limited to:
 - i. The number of apparently secure populations in the State as compared to the number of populations vulnerable to decimation by natural or man-made factors;
 - ii. The total number of individuals or number of individuals per population of the species in the State; or
 - iii. The inherent ability of the species or population to perpetuate itself in the State;
2. It is listed, proposed, or under review by the Federal government as endangered or threatened throughout its range in the United States pursuant to the "Endangered Species Act of 1973," P.L. 93-205 (16 U.S.C. section 1533 et seq.), as amended;
3. It is known or believed to be rare throughout its worldwide range; and/or
4. It has five or fewer extant populations in the State.

N.J.A.C. 7:5C-3.1 Plant species of concern

The Department will maintain a list of plant species of concern for the purpose of monitoring the status of the State's flora and to serve as a working list for transition of species to and from the Endangered Plant Species List. The list of plant species of concern will be composed of those species not listed as endangered at N.J.A.C. 7:5C-5.1 and whose populations are monitored by the Natural Heritage Database.

N.J.A.C. 7:5C-4.1 Public participation

Persons with information that will help the Department in determining whether a plant species qualifies under the criteria at N.J.A.C. 7:5C-2.2 as endangered may submit specific information to the Division at the following address detailing how the species may qualify as endangered pursuant to N.J.A.C. 7:5C-2.2:

Office of Natural Lands Management
Division of Parks and Forestry
Mail Code 501-04
P.O. Box 420
5 Station Plaza
Trenton, New Jersey 08625-0420
e-mail: NatLands@dep.state.nj.us

N.J.A.C. 7:5C-5.1 Endangered Plant Species List

The following plant species are designated as endangered plant species:

1.	Scientific Name	Common Name
	Abies balsamea	Balsam Fir
	Aeschynomene virginica	Sensitive Joint-vetch
	Alisma triviale	Large Water-plantain

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<i>Amaranthus pumilus</i>	Seabeach Amaranth
<i>Amelanchier sanguinea</i> var. <i>sanguinea</i>	Round-leaf Service-berry
<i>Ammannia latifolia</i>	Koehn's Toothcup
<i>Andromeda polifolia</i> var. <i>glaucophylla</i>	Bog Rosemary
<i>Anemone cylindrica</i>	Long-head Anemone
<i>Antennaria howellii</i> ssp. <i>canadensis</i>	Canada Pussytoes
<i>Aplectrum hyemale</i>	Puttyroot
<i>Arabis drummondii</i>	Drummond's Rockcress
<i>Arabis missouriensis</i>	Missouri Rock-cress
<i>Arceuthobium pusillum</i>	Dwarf Mistletoe
<i>Aristida lanosa</i>	Woolly Three-awn Grass
<i>Arnoglossum atriplicifolium</i>	Pale Indian Plantain
<i>Asimina triloba</i>	Pawpaw
<i>Asplenium bradleyi</i>	Bradley's Spleenwort
<i>Asplenium pinnatifidum</i>	Lobed Spleenwort
<i>Aster borealis</i>	Rush Aster
<i>Aster praealtus</i> var. <i>praealtus</i>	Willow-leaf Aster
<i>Aster radula</i>	Low Rough Aster
<i>Atriplex subspicata</i>	Saline Orache
<i>Bidens eatonii</i>	Eaton's Beggar-ticks
<i>Bidens mitis</i>	Small-fruit Beggars-ticks
<i>Blephilia ciliata</i>	Downy Woodmint
<i>Boltonia asteroides</i> var. <i>glastifolia</i>	Southern Boltonia
<i>Boltonia montana</i>	Appalachian Mountain Boltonia
<i>Botrychium multifidum</i>	Leathery Grape Fern
<i>Bouteloua curtipendula</i> var. <i>curtipendula</i>	Side-oats Grama Grass
<i>Brickellia eupatorioides</i> var. <i>eupatorioides</i>	False Boneset
<i>Calamagrostis pickeringii</i>	Pickering's Reed Grass
<i>Calystegia sepium</i> ssp. <i>erratica</i>	Occluded Bindweed
<i>Calystegia spithamea</i> ssp. <i>spithamea</i>	Erect Bindweed
<i>Cardamine longii</i>	Long's Bittercress
<i>Cardamine maxima</i>	Large Toothwort
<i>Cardamine rotundifolia</i>	Round-leaf Bittercress
<i>Carex alopecoidea</i>	Foxtail Sedge
<i>Carex aquatilis</i>	Water Sedge
<i>Carex arctata</i>	Drooping Wood Sedge
<i>Carex backii</i>	Back's Sedge
<i>Carex brunnescens</i> var. <i>sphaerostachya</i>	Round-spike Brownish Sedge
<i>Carex bushii</i>	Bush's Sedge
<i>Carex crawei</i>	Crawe's Sedge
<i>Carex cumulata</i>	Clustered Sedge
<i>Carex deweyana</i> var. <i>deweyana</i>	Dewey's Sedge
<i>Carex formosa</i>	Handsome Sedge
<i>Carex haydenii</i>	Cloud Sedge
<i>Carex jamesii</i>	James' Sedge
<i>Carex jorii</i>	Cypress-swamp Sedge

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<i>Carex laxiculmis</i> var. <i>copulata</i>	Coupled Sedge
<i>Carex leptoneura</i>	Fine-nerve Sedge
<i>Carex limosa</i>	Mud Sedge
<i>Carex louisianica</i>	Louisiana Sedge
<i>Carex lupuliformis</i>	Hop-like Sedge
<i>Carex meadii</i>	Mead's Sedge
<i>Carex oligocarpa</i>	Few-fruit Sedge
<i>Carex peckii</i>	Peck's White-tinged Sedge
<i>Carex planispicata</i>	Narrow-leaf Sedge
<i>Carex plantaginea</i>	Plantain-leaf Sedge
<i>Carex polymorpha</i>	Variable Sedge
<i>Carex pseudocyperus</i>	Cyperus-like Sedge
<i>Carex siccata</i>	Hillside Sedge
<i>Carex stipata</i> var. <i>maxima</i>	Large Awl-fruit Sedge
<i>Carex tuckermanii</i>	Tuckerman's Sedge
<i>Carex woodii</i>	Wood's Sedge
<i>Castanea pumila</i>	Chinquapin
<i>Centrosema virginianum</i>	Spurred Butterfly-pea
<i>Ceratophyllum echinatum</i>	Spiny Coontail
<i>Cercis canadensis</i> var. <i>canadensis</i>	Redbud
<i>Chenopodium rubrum</i>	Red Goosefoot
<i>Cinna latifolia</i>	Slender Wood-reed
<i>Cirsium virginianum</i>	Virginia Thistle
<i>Claytonia virginica</i> var. <i>hammondiae</i>	Hammond's Yellow Spring Beauty
<i>Cleistes divaricata</i>	Spreading Pogonia
<i>Clitoria mariana</i>	Butterfly-pea
<i>Coelorachis rugosa</i>	Wrinkled Jointgrass
<i>Comarum palustre</i>	Marsh Cinquefoil
<i>Commelina erecta</i> var. <i>erecta</i>	Slender Dayflower
<i>Conioselinum chinense</i>	Hemlock-parsley
<i>Corema conradii</i>	Broom Crowberry
<i>Cornus amomum</i> var. <i>schuetzeana</i>	Pale Dogwood
<i>Crataegus calpodendron</i>	Pear Hawthorn
<i>Crataegus holmesiana</i>	Holmes' Hawthorne
<i>Crataegus succulenta</i>	Fleshy Hawthorn
<i>Cryptogramma stelleri</i>	Slender Rockbrake
<i>Cuscuta cephalanthi</i>	Buttonbush Dodder
<i>Cuscuta indecora</i> var. <i>indecora</i>	Collared Dodder
<i>Cynoglossum virginianum</i> var. <i>boreale</i>	Northern Wild Comfrey
<i>Cyperus hystricinus</i>	Bristly Flat Sedge
<i>Cyperus lancastris</i>	Lancaster Flat Sedge
<i>Cyperus plukenetii</i>	Plukenet's Flat Sedge
<i>Cyperus polystachyos</i> var. <i>texensis</i>	Coast Flat Sedge
<i>Cyperus pseudovegetus</i>	Marsh Flat Sedge
<i>Cyperus refractus</i>	Reflexed Flat Sedge
<i>Cyperus retrofractus</i>	Rough Flatsedge

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<i>Cyperus schweinitzii</i>	Schweinitz's Flat Sedge
<i>Cypripedium candidum</i>	Small White Lady's-slipper
<i>Cypripedium reginae</i>	Showy Lady's-slipper
<i>Dalibarda repens</i>	Robin-run-away
<i>Desmodium humifusum</i>	Trailing Tick-trefoil
<i>Desmodium pauciflorum</i>	Few-flower Tick-trefoil
<i>Desmodium sessilifolium</i>	Sessile-leaf Tick-trefoil
<i>Dicentra canadensis</i>	Squirrel-corn
<i>Dicentra eximia</i>	Wild Bleeding-heart
<i>Diodia virginiana</i> var. <i>virginiana</i>	Larger Buttonweed
<i>Diplazium pycnocarpon</i>	Glade Fern
<i>Draba reptans</i>	Carolina Whitlow-grass
<i>Dryopteris celsa</i>	Log Fern
<i>Eleocharis brittonii</i>	Britton's Spike-rush
<i>Eleocharis compressa</i>	Flat-stem Spike-rush
<i>Eleocharis equisetoides</i>	Knotted Spike-rush
<i>Eleocharis melanocarpa</i>	Black-fruit Spike-rush
<i>Eleocharis olivacea</i> var. <i>reductisetata</i>	Pine Barren Spike-rush
<i>Eleocharis quinqueflora</i>	Few-flower Spike-rush
<i>Eleocharis tenuis</i> var. <i>verrucosa</i>	Warty Spike-rush
<i>Eleocharis tortilis</i>	Twisted Spike-rush
<i>Elephantopus carolinianus</i>	Carolina Elephant-foot
<i>Ellisia nyctelea</i>	Aunt Lucy
<i>Elymus trachycaulus</i>	Slender Wheatgrass
<i>Equisetum pratense</i>	Meadow Horsetail
<i>Equisetum variegatum</i> var. <i>variegatum</i>	Variiegated Horsetail
<i>Eragrostis hirsuta</i>	Stout Love Grass
<i>Eriophorum gracile</i> var. <i>gracile</i>	Slender Cotton-grass
<i>Eriophorum tenellum</i>	Rough Cotton-grass
<i>Eriophorum vaginatum</i> var. <i>spissum</i>	Sheathed Cotton-grass
<i>Eupatorium capillifolium</i>	Dog-fennel Thoroughwort
<i>Eupatorium resinosum</i>	Pine Barren Boneset
<i>Euphorbia purpurea</i>	Darlington's Glade Spurge
<i>Fraxinus profunda</i>	Pumpkin Ash
<i>Galactia volubilis</i>	Downy Milk-pea
<i>Galium hispidulum</i>	Coast Bedstraw
<i>Galium labradoricum</i>	Labrador Marsh Bedstraw
<i>Gaultheria hispidula</i>	Creeping-snowberry
<i>Gentiana linearis</i>	Narrow-leaf Gentian
<i>Glyceria borealis</i>	Small Floating Manna Grass
<i>Glyceria grandis</i> var. <i>grandis</i>	American Manna Grass
<i>Gnaphalium helleri</i> var. <i>micradenium</i>	Small Everlasting
<i>Gnaphalium macounii</i>	Winged Cudweed
<i>Gymnopogon brevifolius</i>	Short-leaf Skeleton Grass
<i>Helonias bullata</i>	Swamp-pink
<i>Hieracium kalmii</i> var. <i>fasciculatum</i>	Canada Hawkweed

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<i>Honckenya peploides</i> var. <i>robusta</i>	Seabeach Sandwort
<i>Hottonia inflata</i>	Featherfoil
<i>Hybanthus concolor</i>	Green Violet
<i>Hydrastis canadensis</i>	Golden Seal
<i>Hydrocotyle ranunculoides</i>	Floating Marsh-pennywort
<i>Hydrophyllum canadense</i>	Broad-leaf Waterleaf
<i>Hypericum adpressum</i>	Barton's St. John's-wort
<i>Hypericum gymnanthum</i>	Clasping-leaf St. John's-wort
<i>Hypericum majus</i>	Larger Canadian St. John's Wort
<i>Hypericum prolificum</i>	Shrubby St. John's-wort
<i>Ilex montana</i>	Large-leaf Holly
<i>Isanthus brachiatus</i>	False Pennyroyal
<i>Isoetes lacustris</i>	Lake Quillwort
<i>Isoetes melanopoda</i>	Black-base Quillwort
<i>Isoetes tuckermanii</i>	Tuckerman's Quillwort
<i>Isotria medeoloides</i>	Small Whorled Pogonia
<i>Jeffersonia diphylla</i>	Twinleaf
<i>Juncus brachycarpus</i>	Short-fruit Rush
<i>Juncus caesariensis</i>	New Jersey Rush
<i>Juncus coriaceus</i>	Awl-leaf Rush
<i>Juncus diffusissimus</i>	Slim-pod Rush
<i>Juncus torreyi</i>	Torrey's Rush
<i>Kalmia polifolia</i>	Pale-laurel
<i>Krigia dandelion</i>	Potato Dwarf-dandelion
<i>Kyllinga pumila</i>	Low Spike Sedge
<i>Lathyrus ochroleucus</i>	Cream Vetchling
<i>Lechea tenuifolia</i>	Narrow-leaf Pinweed
<i>Ledum groenlandicum</i>	Labrador Tea
<i>Lemna perpusilla</i>	Minute Duckweed
<i>Lemna valdiviana</i>	Pale Duckweed
<i>Liatrix scariosa</i> var. <i>novae-angliae</i>	Northern Blazing-star
<i>Limnobium spongia</i>	American Frog's-bit
<i>Limosella australis</i>	Awl-leaf Mudwort
<i>Linnaea borealis</i> var. <i>americana</i>	Twinflower
<i>Linum intercursum</i>	Sandplain Flax
<i>Linum sulcatum</i> var. <i>sulcatum</i>	Grooved Yellow Flax
<i>Lipocarpha micrantha</i>	Small-flower Halfchaff Sedge
<i>Listera cordata</i> var. <i>cordata</i>	Heartleaf Twayblade
<i>Listera smallii</i>	Appalachian Twayblade
<i>Lobelia boykinii</i>	Boykin's Lobelia
<i>Lobelia dortmanna</i>	Water Lobelia
<i>Lonicera canadensis</i>	American Fly-honeysuckle
<i>Luzula acuminata</i> var. <i>acuminata</i>	Hairy Wood-rush
<i>Lycopodium annotinum</i>	Stiff Club-moss
<i>Lysimachia lanceolata</i>	Lance-leaf Loosestrife
<i>Maianthemum canadense</i> var. <i>interius</i>	Western False Lily-of-the-valley

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<i>Maianthemum trifolium</i>	Three-leaf False Solomon's-seal
<i>Malaxis bayardii</i>	Bayard Long's Adder's-mouth
<i>Malaxis brachypoda</i>	White Adder's-mouth
<i>Malaxis unifolia</i>	Green Adder's-mouth
<i>Megalodonta beckii</i>	Water-marigold
<i>Melanthium virginicum</i>	Virginia Bunchflower
<i>Micranthemum micranthemoides</i>	Nuttall's Mudwort
<i>Milium effusum</i>	Tall Millet Grass
<i>Minuartia michauxii</i> var. <i>michauxii</i>	Rock Sandwort
<i>Monarda clinopodia</i>	Basil Beebalm
<i>Muhlenbergia capillaris</i> var. <i>capillaris</i>	Long-awn Smoke Grass
<i>Myriophyllum pinnatum</i>	Cutleaf Water-milfoil
<i>Myriophyllum sibiricum</i>	Common Water-milfoil
<i>Myriophyllum tenellum</i>	Slender Water-milfoil
<i>Myriophyllum verticillatum</i>	Whorled Water-milfoil
<i>Narthecium americanum</i>	Bog Asphodel
<i>Nelumbo lutea</i>	American Lotus
<i>Neobeckia aquatica</i>	Lake Water-cress
<i>Nuphar microphyllum</i>	Small Yellow Pond-lily
<i>Onosmodium virginianum</i>	Virginia False-gromwell
<i>Ophioglossum vulgatum</i>	Southern Adder's-tongue
<i>Oryzopsis asperifolia</i>	White-grained Mountain-rice Grass
<i>Oryzopsis pungens</i>	Slender Mountain-rice Grass
<i>Panicum aciculare</i>	Bristling Panic Grass
<i>Panicum boreale</i>	Northern Panic Grass
<i>Panicum dichotomum</i> var. <i>yadkinense</i>	Spotted-sheath Panic Grass
<i>Panicum flexile</i>	Wiry Panic Grass
<i>Panicum hirstii</i>	Hirst Brothers' Panic Grass
<i>Panicum longiligulatum</i>	Coastal-plain Panic Grass
<i>Panicum xanthophysum</i>	Slender Panic Grass
<i>Penstemon laevigatus</i>	Smooth Beardtongue
<i>Phacelia bipinnatifida</i>	Fern-leaf Scorpion-flower
<i>Phlox divaricata</i> var. <i>divaricata</i>	Wild Blue Phlox
<i>Phlox pilosa</i> var. <i>pilosa</i>	Downy Phlox
<i>Phyla lanceolata</i>	Fogfruit
<i>Picea rubens</i>	Red Spruce
<i>Pinus pungens</i>	Table Mountain Pine
<i>Pinus resinosa</i>	Red Pine
<i>Plantago pusilla</i>	Dwarf Plantain
<i>Platanthera flava</i> var. <i>flava</i>	Southern Rein Orchid
<i>Platanthera hookeri</i>	Hooker's Orchid
<i>Platanthera integra</i>	Yellow Fringeless Orchid
<i>Platanthera nivea</i>	Snowy Orchid
<i>Platanthera orbiculata</i>	Round-leaf Orchid
<i>Platanthera peramoena</i>	Purple Fringeless Orchid
<i>Pluchea foetida</i> var. <i>foetida</i>	Stinking Fleabane

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<i>Poa autumnalis</i>	Flexuous Spear Grass
<i>Poa saltuensis</i>	Old-pasture Spear Grass
<i>Poa sylvestris</i>	Woodland Spear Grass
<i>Polemonium reptans</i>	Greek-valerian
<i>Polygala curtissii</i>	Curtiss' milkwort
<i>Polygala incarnata</i>	Pink Milkwort
<i>Polygala senega</i>	Seneca Snakeroot
<i>Polygonum densiflorum</i>	Dense-flower Knotweed
<i>Polygonum glaucum</i>	Sea-beach Knotweed
<i>Polypremum procumbens</i>	Juniper-leaf
<i>Potamogeton illinoensis</i>	Illinois Pondweed
<i>Potamogeton obtusifolius</i>	Blunt-leaf Pondweed
<i>Potamogeton praelongus</i>	White-stem Pondweed
<i>Potamogeton zosteriformis</i>	Eel-grass Pondweed
<i>Prenanthes racemosa</i> var. <i>racemosa</i>	Smooth Rattlesnake-root
<i>Prunus pumila</i> var. <i>depressa</i>	Low Sand Cherry
<i>Ptelea trifoliata</i> var. <i>trifoliata</i>	Wafer-ash
<i>Pycnanthemum clinopodioides</i>	Basil Mountain-mint
<i>Pycnanthemum torrei</i>	Torrey's Mountain-mint
<i>Pyrola chlorantha</i>	Greenish-flower Wintergreen
<i>Pyrrhopappus carolinianus</i>	Carolina desert-chicory
<i>Quercus imbricaria</i>	Shingle Oak
<i>Quercus lyrata</i>	Overcup Oak
<i>Quercus macrocarpa</i> var. <i>macrocarpa</i>	Mossy-cup Oak
<i>Quercus nigra</i>	Water Oak
<i>Ranunculus allegheniensis</i>	Allegheny Mountain Buttercup
<i>Ranunculus cymbalaria</i>	Seaside Buttercup
<i>Ranunculus fascicularis</i>	Early Buttercup
<i>Ranunculus flammula</i> var. <i>filiformis</i>	Creeping Spearwort
<i>Rhexia aristosa</i>	Awned Meadow-beauty
<i>Rhexia mariana</i> var. <i>ventricosa</i>	Showy Meadow-beauty
<i>Rhododendron canadense</i>	Rhodora
<i>Rhynchospora capillacea</i>	Capillary Beaked-rush
<i>Rhynchospora filifolia</i>	Thread-leaf Beaked-rush
<i>Rhynchospora glomerata</i>	Clustered Beaked-rush
<i>Rhynchospora grayi</i>	Gray's Beaked-rush
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush
<i>Rhynchospora microcephala</i>	Small-head Beaked-rush
<i>Rhynchospora rariflora</i>	Rare-flower Beaked-rush
<i>Rhynchospora recognita</i>	Coarse Grass-like Beaked-rush
<i>Ribes glandulosum</i>	Skunk Currant
<i>Ribes missouriense</i>	Missouri Gooseberry
<i>Rubus canadensis</i>	Smooth Blackberry
<i>Rubus novocaesarius</i>	New Jersey Dewberry
<i>Rudbeckia fulgida</i> var. <i>fulgida</i>	Orange Coneflower
<i>Ruellia caroliniensis</i>	Carolina Petunia

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<i>Rumex hastatulus</i>	Engelmann's Sorrel
<i>Saccharum alopecuroidum</i>	Silver Plume Grass
<i>Sacciolepis striata</i>	American Cupscale
<i>Sagittaria australis</i>	Southern Arrowhead
<i>Sagittaria cuneata</i>	Arum-leaf Arrowhead
<i>Sagittaria filiformis</i>	Narrow-leaf Arrowhead
<i>Sagittaria teres</i>	Slender Arrowhead
<i>Salix pedicellaris</i>	Bog Willow
<i>Sanicula trifoliata</i>	Large-fruit Black-snakeroot
<i>Scheuchzeria palustris</i> var. <i>americana</i>	Arrow-grass
<i>Schizachne purpurascens</i>	Purple Oat
<i>Schoenoplectus maritimus</i>	Saltmarsh Bulrush
<i>Schoenoplectus torreyi</i>	Torrey's Bulrush
<i>Schwalbea americana</i>	Chaffseed
<i>Scirpus longii</i>	Long's Woolgrass
<i>Scirpus microcarpus</i>	Barberpole Bulrush
<i>Scirpus pedicellatus</i>	Stalked Woolgrass
<i>Scleria verticillata</i>	Whorled Nut-rush
<i>Scutellaria leonardii</i>	Small Skullcap
<i>Sibbaldiopsis tridentata</i>	Three-toothed Cinquefoil
<i>Silene nivea</i>	Snowy Catchfly
<i>Smallanthus uvedalius</i>	Bear's-foot
<i>Solidago rigida</i> var. <i>rigida</i>	Prairie Goldenrod
<i>Sparganium angustifolium</i>	Narrow-leaf Burr-reed
<i>Sparganium natans</i>	Small Burr-reed
<i>Sphagnum angustifolium</i>	Sphagnum
<i>Sphagnum centrale</i>	Sphagnum
<i>Sphagnum contortum</i>	Sphagnum
<i>Sphagnum cribrosum</i>	Sphagnum
<i>Sphagnum majus</i> ssp. <i>norvegicum</i>	Sphagnum
<i>Sphagnum quinquefarium</i>	Sphagnum
<i>Sphagnum riparium</i>	Sphagnum
<i>Sphagnum strictum</i>	Sphagnum
<i>Sphagnum subfulvum</i>	Sphagnum
<i>Sphagnum subsecundum</i>	Sphagnum
<i>Spiranthes laciniata</i>	Lace-lip Ladies'-tresses
<i>Sporobolus neglectus</i>	Small Rush-grass
<i>Stachys pilosa</i> var. <i>pilosa</i>	Hairy Hedge-nettle
<i>Stellaria borealis</i> var. <i>borealis</i>	Boreal Starwort
<i>Stellaria pubera</i>	Star Chickweed
<i>Streptopus amplexifolius</i> var. <i>amplexifolius</i>	White Twisted-stalk
<i>Streptopus lanceolatus</i>	Rosy Twisted-stalk
<i>Stylisma pickeringii</i> var. <i>pickeringii</i>	Pickering's Morning-glory
<i>Suaeda rolandii</i>	Roland's Seablite
<i>Thuja occidentalis</i>	Arborvitae

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<i>Tiarella cordifolia</i> var. <i>cordifolia</i>	Foamflower
<i>Tofieldia racemosa</i>	False Asphodel
<i>Triadenum walteri</i>	Walter's St. John's-wort
<i>Trichomanes intricatum</i>	Weft Fern
<i>Tridens flavus</i> var. <i>chapmanii</i>	Chapman's Redtop
<i>Triglochin maritima</i>	Seaside Arrow-grass
<i>Trillium grandiflorum</i>	Large-flower Trillium
<i>Triosteum angustifolium</i>	Narrow-leaf Horse-gentian
<i>Triphora trianthophora</i>	Three Birds Orchid
<i>Trollius laxus</i> ssp. <i>laxus</i>	Spreading Globe Flower
<i>Utricularia biflora</i>	Two-flower Bladderwort
<i>Utricularia minor</i>	Lesser Bladderwort
<i>Utricularia olivacea</i>	Dwarf White Bladderwort
<i>Utricularia resupinata</i>	Reversed Bladderwort
<i>Uvularia puberula</i> var. <i>nitida</i>	Pine Barren Bellwort
<i>Valerianella chenopodiifolia</i>	Goose-foot Cornsalad
<i>Valerianella radiata</i>	Beaked Cornsalad
<i>Valerianella umbilicata</i>	Navel Cornsalad
<i>Verbena simplex</i>	Narrow-leaf Vervain
<i>Vernonia glauca</i>	Broad-leaf Ironweed
<i>Veronica catenata</i>	Sessile Water-speedwell
<i>Viburnum lantanoides</i>	Witch-hobble
<i>Vicia americana</i> var. <i>americana</i>	American Purple Vetch
<i>Vicia caroliniana</i>	Carolina Wood Vetch
<i>Viola canadensis</i> var. <i>canadensis</i>	Canadian Violet
<i>Viola septentrionalis</i>	Northern Blue Violet
<i>Vulpia elliotea</i>	Squirrel-tail Six-weeks Grass
<i>Wolffiella gladiata</i>	Sword Bogmat
<i>Xyris caroliniana</i>	Sand Yellow-eyed-grass
<i>Xyris fimbriata</i>	Fringed Yellow-eyed-grass
<i>Xyris montana</i>	Northern Yellow-eyed-grass
<i>Zigadenus leimanthoides</i>	Death-camus